INTERNATIONAL SEARCH REPORT

Intransional Application No PCT/1B2004/051067

A. CLASSIFICATION OF BUBLECT MATTER IPC 7 G11820/10 G1187/14 According to international Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G118 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category Chalcon of document, with indication, where appropriate, of the relevant passages Retovant to cit Y US 2002/126604 A1 (POWELSON JUDITH C ET 1-3,14, AL) 12 September 2002 (2002-09-12) abstract paragraph '0001! - paragraph '0010! paragraph '0178! claims 64-66 Y PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09, 30 July 1999, no. 09, 30 July 1999 (1999-07-30) & JP 11 120559 A (SONY CORP), 30 April 1999 (1999-04-30)	
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G11B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Personal to citation of document, with indication, where appropriate and the relevant passages Y US 2002/126604 A1 (POWELSON JUDITH C ET 1-3,14, AL) 12 September 2002 (2002-09-12) abstract paragraph '00178! claims 64-66 Y PATENT ABSTRACTS OF JAPAN 1-3,14, vol. 1999, no. 09, 30 July 1999 (1999-07-30) & JP 11 120559 A (SONY CORP),	
Minimum documentation searched (classification system followed by classification symbols) IPC 7 G11B Documentation searched other than minimum documentation to the extent that such documents are included in the ficida searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to cit Y US 2002/126604 A1 (POWELSON JUDITH C ET 1-3,14, AL) 12 September 2002 (2002-09-12) 16-19 abstract paragraph '0001! - paragraph '0010! paragraph '0178! claims 64-66 Y PATENT ABSTRACTS OF JAPAN 1-3,14, vol. 1999, no. 09, 30 July 1999 (1999-07-30) & JP 11 120559 A (SONY CORP),	
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Petevant to category* Citation of document, with indication, where appropriate, of the relevant passages Petevant to category* AL) 12 September 2002 (2002-09-12) abstract paragraph '0001! - paragraph '0010! paragraph '0178! claims 64-66 PATENT ABSTRACTS OF JAPAN 1-3,14, vol. 1999, no. 09, 30 July 1999 (1999-07-30) & JP 11 120559 A (SONY CORP),	
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category * Citation of document, with indication, where appropriate, of the relevant passages Petevant to cit Y US 2002/126604 A1 (POWELSON JUDITH C ET 1-3,14, AL) 12 September 2002 (2002-09-12) abstract paragraph *0001! - paragraph *0010! paragraph *0178! claims 64-66 Y PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09, 30 July 1999 (1999-07-30) & JP 11 120559 A (SONY CORP),	
C. DOCUMENTS CONSIDERED TO BE RELEVANT Category Citation of document, with indication, where appropriate, of the relevant passages Petevant to cit Y US 2002/126604 A1 (POWELSON JUDITH C ET AL) 12 September 2002 (2002-09-12) abstract paragraph '0001! - paragraph '0010! paragraph '0178! claims 64-66 Y PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09, 30 July 1999 (1999-07-30) & JP 11 120559 A (SONY CORP),	
C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication, where appropriate, of the relevant passages Petevant to citation of document, with Indication of the Indication of the Indication of the Indication of Indic	
Y US 2002/126604 A1 (POWELSON JUDITH C ET 1-3,14, AL) 12 September 2002 (2002-09-12) abstract paragraph '0001! - paragraph '0010! paragraph '0178! claims 64-66 Y PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09, 30 July 1999 (1999-07-30) & JP 11 120559 A (SONY CORP),	
Y US 2002/126604 A1 (POWELSON JUDITH C ET 1-3,14, AL) 12 September 2002 (2002-09-12) 16-19 abstract paragraph '0001! - paragraph '0010! paragraph '0178! claims 64-66 Y PATENT ABSTRACTS OF JAPAN 1-3,14, vol. 1999, no. 09, 30 July 1999 (1999-07-30) 2 JP 11 120559 A (SONY CORP),	
AL) 12 September 2002 (2002-09-12) abstract paragraph '0001! - paragraph '0010! paragraph '0178! claims 64-66 Y PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09, 30 July 1999 (1999-07-30) & JP 11 120559 A (SONY CORP),	atm No.
paragraph '0178! claims 64-66 Y PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09, 30 July 1999 (1999-07-30) & JP 11 120559 A (SONY CORP),	
vol. 1999, no. 09, 30 July 1999 (1999-07-30) & JP 11 120559 A (SONY CORP),	
abstract	
-/	
Further documents are listed in the continuation of box C. Patent family members are listed in annex.	
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the International filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another clateron or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "A" tater document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alon cannot be considered to invention cannot be considered novel or cannot be considered to invention cannot be considered novel or cannot be considered to invention cannot be considered novel or cannot be considered	he -
Date of the actual completion of the international search Date of mailing of the international search	
29 September 2004 10/11/2004	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijawlik Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Authorized officer Sucher, R	

INTERNATIONAL SEARCH REPORT

Internal Application No PCT/IB2004/051067

	A CAMPAGE ACTION OF THE THIRD	PCT/IB2004/051067
	etion) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Category *	Camion of cocument, with indication, where appropriate, or the relevant passages	rwayani to claim No.
Υ	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 04, 30 April 1999 (1999-04-30) & JP 11 016166 A (SONY CORP), 22 January 1999 (1999-01-22) abstract	1-3,14, 16-19
P,A	IMMINK A H J ET AL: "Signal processing and coding for two-dimensional optical storage" GLOBECOM'03. 2003 - IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE. CONFERENCE PROCEEDINGS. SAN FRANCISCO, DEC. 1 - 5, 2003, IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE, NEW YORK, NY: IEEE, US, vol. VOL. 7 OF 7, 1 December 2003 (2003-12-01), pages 3904-3908, XP002277239 ISBN: 0-7803-7974-8 the whole document	1,4, 14-19
A	PATENT ABSTRACTS OF JAPAN vol. 0150, no. 41 (P-1160), 31 January 1991 (1991-01-31) & JP 2 276071 A (NEC CORP), 9 November 1990 (1990-11-09) abstract	

INTERNATIONAL SEARCH REPORT

Internal Application No PCT/IB2004/051067

Patent document cited in search report	- {	Publication date		Patent family member(s)	Publication date
US 2002126604	A1	12-09-2002	WO AU WO	03050803 A2 2086001 A 0157856 A1	19-06-2003 14-08-2001 09-08-2001
JP 11120559	A	30-04-1999	NONE		
JP 11016166	A	22-01-1999	NONE		
JP 2276071	A	09-11-1990	NONE		